

THE COMMISSIONER OF PATENTS AND TRADEMARKS
WASHINGTON, D.C. 20231

Sir:

Transmitted herewith for filing is the Utility patent application of:

INVENTOR: Seishi HANAOKA and Takashi YANO	
FOR:	CHANNEL ESTIMATION METHOD FOR A MOBILE COMMUNICATION SYSTEM

17612 U.S. PTO
10/600652
06/23/03

Enclosed are:

- 16 sheets of formal informal drawings.
- Transmittal of Japanese patent application 2003-052234 to claim priority date of February 28, 2003.
- An Executed Declaration.
- An assignment executed by inventor to Hitachi, Ltd.
- A Information Disclosure Statement
- The filing fee is calculated as shown below:

FOR	NUMBER FILED	NUMBER EXTRA	RATE	CALCULATIONS
TOTAL CLAIMS	19	-20	0	x\$18 = 0.00
INDEPENDENT CLAIMS	2	-3	0	x\$84 = 0.00
MULTIPLE DEPENDENT CLAIM(S) (if applicable)				+\$280 =
BASIC FEE				\$750.00
TOTAL OF ABOVE				750.00
REDUCTION BY 1/2 FOR FILING BY SMALL ENTITY (note 37 C.F.R. §§ 1.9, 1.27, 1.28). IF APPLICABLE, VERIFIED STATEMENT MUST BE ATTACHED				
TOTAL				750.00

- Please charge my **Deposit Account Number** _____ in the amount of _____ to cover the filing and assignment recordation fee. A duplicate copy of this paper is enclosed.
- A check in the amount of **\$790.00** to cover the filing fee and assignment fee is enclosed.
- The Commissioner is hereby authorized to charge any additional fees associated with this communication, including patent application filing fees and processing fees under 37 C.F.R. § 1.16 and 1.17, or credit any overpayment to **Deposit Account Number 08-1480**.

Respectfully submitted,

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